

I claim:

1. A method of making a throttle valve connection piece housing, said housing comprising a throughflow opening in which a throttle valve is pivotably mounted on a pivot axis, said pivot axis running substantially transverse to a center line of said opening, comprising the steps of:
- aligning facing surfaces of a first and second circular core, said first and second core defining substantially conical shaped bodies having a pinnacle point and a widening body in a direction away from said point, said widening body defining a semicircle along one wall and at least said facing surface opposite said semicircle along another wall;
  - mating said first and second core to form a continuous core such that a plane formed by said mated facing surfaces runs through said center line at a substantial right angle and through said pivot axis;
  - placing said continuous core in an external mold,
  - encapsulating said continuous core with an encapsulant; and
  - axially separating said first and second core thereby producing an opening within said encapsulant, said opening comprising an inflow region running into a valve starting region running into an outflow region.
2. The method according to claim 1, wherein said plane is substantially similar in length to said valve.
3. The method according to claim 1, wherein each of said pinnacles defines a point on a border between said inflow and start regions and said outflow and start regions.
4. The method according to claim 1, wherein said

housing is modular.

5. The method according to claim 1, wherein said valve is a butterfly valve.

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6. The method according to claim 1, wherein said step of encapsulating further comprises the step of encapsulating said core by injection molding.

10 7. The method according to claim 6, wherein said encapsulant is a metal.

8. The method according to claim 7, wherein said metal is aluminum.

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9. The method according to claim 6, wherein said encapsulant is a plastic.

10. The method according to claim 9, wherein said plastic is one of a thermoplastic and a duroplastic.

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11. A method for making a throttle valve connection piece housing, said housing comprising a throughopening in which a throttle valve is pivotably mounted on a pivot axis, said pivot axis running substantially transverse to a center line of said opening, comprising the steps of:

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- aligning facing surfaces of a first and second circular core, said first and second core defining substantially cylindrical shaped bodies having a pinnacle point and a widening body in a direction away from said point, said widening body defining a semicircle along one wall and at least said facing surface opposite said semicircle along another wall;

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- mating said first and second core to form a continuous core such that a plane formed by said mated

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facing surfaces runs through said center line at a substantial right angle and through said pivot axis;

- placing said continuous core in an external mold,
- encapsulating said continuous core with an  
5 encapsulant, and
- axially separating said first and second core thereby producing an opening within said encapsulant, said opening comprising an inflow region running into a valve starting region running into an outflow region.

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12. The method according to claim 11, wherein said plane is substantially similar in length to said valve.

13. The method according to claim 11, wherein each of  
15 said pinnacles defines a border of said valve starting region.

14. The method according to claim 11, wherein said housing is modular.

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15. The method according to claim 11, wherein said valve is a butterfly valve.

16. The method according to claim 11, wherein said  
25 step of encapsulating further comprises the step of encapsulating said core by injection molding.

17. The method according to claim 16, wherein said encapsulant is a metal.

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18. The method according to claim 17, wherein said metal is aluminum.

19. The method according to claim 16, wherein said  
35 encapsulant is a plastic.

20. The method according to claim 19, wherein said plastic is one of a thermoplastic and a duroplastic.

5 21. A housing for throttle valve connection piece, comprising:

- walls defining an circular interior throughflow opening centered about a longitudinal axis, said opening comprising an inflow, outflow and valve  
10 starting regions, said regions arranged such that said inflow and outflow regions border opposing sides of said valve start region;

- a valve pivotably mounted on a pivot axis, said valve and pivot axis located within said valve starting  
15 region, said pivot axis extending substantially transverse to said longitudinal axis and located substantially on said longitudinal axis, and said valve mounted so as to pivot between a closed position, wherein ends of said valve contact walls of said valve  
20 start region, and an open position wherein a gap is present between said ends and said walls, said gap facilitating said throughflow,

- end points positioned on said borders at right angles to said longitudinal axis, said end points  
25 defining a pinnacle of an approximately conical shape defined by said inflow and outflow regions, said points located on opposing inner wall surfaces coaxial to an axis running through said longitudinal and pivot axis, and said valve start region comprising opposing walls  
30 defining a semi-circular form from a point to an adjacent border and being offset to a longitudinal axis of said inflow and outflow region.

22. The housing according to claim 21, wherein said  
35 start region comprises a mechanically unprocessed injection molded surface with a core separating burr

running between said points and through said pivot axis.

23. The housing according to claim 21, wherein said  
5 walls comprise an encapsulant.

24. The housing according to claim 23, wherein said encapsulant is one of a plastic and a metal.

10 25. The housing according to claim 21, wherein said valve is a throttle valve.

26. The housing according to claim 25, wherein said valve is a butterfly valve.

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